

## Accelero™ DIAMETER

### *AAA Service Controller*

This partner uses IntelliNet Accelero™ DIAMETER in its AAA Service Controller for multiple access networks, including WiMAX and CDMA. It has been successfully interoperated with several Tier-1 IMS/WiMAX equipment vendors of PDG and ASN-GW network elements. The product is a key element in Sprint's Xohm network. The application uses IntelliNet's application support modules for EAP, NASREQ and Mobile IPv4 as well as various 3GPP2 interfaces. The partner also uses Diameter for the pre-paid billing function of its AAA Service Controller. It utilizes IntelliNet's RFC-4006 Credit Control Application support module as well as Cx/Dx and Tx/Ty interfaces. These applications run on a Solaris Sparc platform in Distributed Mode operation which allows multiple back end application machines or instances to work through one set of redundant front end machines to provide the Diameter protocol interface to the IMS network.

### *LTE Packet Core MME*

This partner is using Accelero™ DIAMETER for the LTE Packet Core Network MME application based on Rel8 3GPP standards. These standards require User Equipment authentication using Diameter for the S6a interface. After thorough evaluation the partner selected the IntelliNet product as a commercial off the shelf (COTS) software component that would reduce its development cycle time. This product is based on an ATCA platform in which the call processing application is distributed across multiple processing blades. The Diameter stack is configured in a client mode and interfaces with an external HSS.

### *RFC4006 Credit Control Client*

This partner uses Accelero DIAMETER in its RFC 4006 compliant Rf/Ro Credit Control Client application for their GMLC product line as a part of Release 8 LTE specific charging upgrade. The application uses IntelliNet's Base DIAMETER protocol along with the RFC 4006 Credit Control Client state machines and the Rf/Ro application level interface. After thorough evaluation the partner selected IntelliNet Accelero DIAMETER product primarily for the quality, API ease of use, security and scalability considerations. The application connects to a charging server from a Tier-1 vendor. This partner required support for custom AVPs and custom message handling which IntelliNet Accelero DIAMETER could easily enable.

### *3GPP Policy Server*

This partner uses Accelero™ DIAMETER in its 3GPP Compliant Policy Server (essentially a PCRF) using the Rx interface based on the 3GPP TS 23.203 & TS 29.214 specifications.

### *FMC and IMS Solutions*

This partner uses Accelero™ DIAMETER in its FMC and IP-Multimedia Subsystem (IMS) solutions. These include WLAN and WiMAX applications which require Cx/Dx, Sh, Ro/Rf, Wx and Wm, Wy, Wz, Wd and Wf interfaces.

### *RFC4006 Credit Control Client*

This partner uses Accelero™ DIAMETER in its RFC 4006 compliant Credit Control application. In an initial application they needed to connect to the proprietary charging server from a Tier-1 vendor. This required that IntelliNet provide a quick turn on dozens of custom AVPs that included our full API interfaces. The application has gone through interoperability with the two largest BSS-OSS vendors in the world. It runs on a Linux platform running in linked Library Mode. The product utilizes IntelliNet's RFC-4006 Credit Control Application Support Module as well as Cx/Dx, Sh and Rf/Ro interfaces. Extending the standard Rf/Ro interface with the RFC-4006 interface was enabled in a non-standard environment for this customer.

